

# ARMY & NAVY

## BETHLEHEM STEEL COMPANY READY TO MAKE BIG GUNS FOR DEFENSE

BETHLEHEM, Pa.—The United States, it is acknowledged, is not especially prepared for war, but it can do speedy work, for there has just been forged at the Bethlehem Steel Works the first 16-inch gun for the United States navy.

This is the second of these guns made in this country. The first was also made at Bethlehem, in the rough, finished at the Watervliet Arsenal, and, after having been mounted for some years as part of the New York coast defense, was removed to the Atlantic entrance to the Panama canal, where it is in good shape to perform effective service. Since then there have been remarkable improvements in the manufacture of ordnance, as chiefly exemplified by the German 42-centimeter, commonly known as the "Big Bertha." These are in effect 16-inch guns.

At any rate, things came to a pass quite recently when the United States government wanted 16-inch guns of quick-firing modern construction, and within 40 hours the first of these weapons had been pressed and hammered out at Bethlehem. An army gun of 16 inches is also wanted, and that will probably be forged at once. There is no difference in the diameter, but the 16-inch navy gun is 340 inches, or 70 feet long, while the 16-inch army howitzer, more nearly a duplicate of the German 42-centimeter weapon, is but 200 inches, or 25 feet long.

While the United States has started off at Bethlehem with one 16-inch gun for the navy and one 16-inch howitzer for the army, there are also in the process of manufacture at Bethlehem, and now being forged, 25 14-inch guns for the navy, soon to be mounted on the new dreadnoughts now nearing completion. The 14-inch guns are 720 inches, or 60 feet long. As to projectiles, those for the 14-inch navy gun will weigh approximately a ton and the weapon will have a range upward of 40,000 yards, or nearly 25 miles. These big guns are "hollow" forged, a drill being sent through the length of the barrel in about eight hours. The hole is preserved and enlarged by the use of mandrels.

For the big 16-inch gun the contents of a long line of open-hearth furnaces were poured into enormous ladles on wheels and quickly moved into a casting pit, where an ingot was poured, 72 inches in diameter and more than 50 feet long. After the ends had been cut off and the hole had been drilled the mass was heated and put on "The

Bik Lad," the wonderful 25,000-ton forging press, and after a few heats the tube was ready for the lathe.

There was a time, only a few years ago, when the lathing and drilling appertaining to such a production took many months, but through the invention of rapid steel-working machinery the work is now done in as many days as it formerly took months. The time for the finishing of the 16 and 14-inch guns will depend on emergency. If there were enough orders, they could be made quite rapidly.

Probably the most wonderful part of the big guns is the mechanism moved by the firing apparatus, founded on Napoleon's artillery table, the basis of which is the old formula in the elementary arithmetics—60 seconds make one minute, 60 minutes make one degree, and 360 degrees make the circle—which means that a second of the circumference of the earth at the equator is only about 102 feet, so a boat 500 feet long is an easy target, and to hit a church or cathedral is like taking candy from a baby.

## COLLEGE MEN OF WEST VOLUNTEER

SPOKANE, Wash., March 4.—More than a score of Spokane college men, members of the University Club, have signified their intention of applying for membership in the officers' reserve corps of the United States army.

Applications will be sent at once to western headquarters of the army at San Francisco and classes will be held under the direction of an army officer to prepare for the examinations which are expected to be given soon at Fort George Wright in Spokane.

It is expected that the applicants who volunteer their services to act as army officers at once, as well as several others who are contemplating the same step, will be commissioned in time to take the fortnight's training for reserve officers which probably will be given next summer at American lake. In case of war, the reserve officers would be called to the colors, to take charge of volunteer units that would be called into existence. They would at least retain their rank, with the probability that they would be given higher commissions.

## Schofield Notes

(Special Star-Bulletin Correspondence)  
SCHOFIELD BARRACKS, March 14.—Chaplain Haywood L. Winter, 1st infantry, who was the only officer for the 1st infantry to arrive on the Schofield, has reported at Schofield Barracks and has been assigned to the quarters recently vacated by Chaplain Aiken. Chaplain Winter comes direct from the boarder, having been on duty with the 18th infantry at Douglas, Arizona.

Capt. Robert C. Foy, cavalry, detached officers' list, has been transferred to the 9th Field Artillery, and orders are expected directing him to report to his regiment at Schofield Barracks for duty. During his cadet days, Capt. Foy was a famous West Point football player.

Capt. Harry H. Blodgett, Medical Corps, whose resignation from the army has been accepted by the President, to take effect on March 20, left the post yesterday for Honolulu, where he will engage in civilian practice. Mrs. Blodgett and their son Harry accompanied the doctor. Capt. Blodgett graduated from the Rush Medical College of Chicago in 1907, and was an honor graduate of the Army Medical School in 1912. He entered the army as a first lieutenant of the Medical Reserve Corps in 1911, and was promoted to the Medical Corps in 1912. He was promoted to the grade of captain June 18, 1915.

Friends of 1st Lieut. George L. Converse, Jr., 4th Cavalry, will be pleased to hear that his name has been sent to the senate for confirmation as captain of cavalry to date from July 21, last. Capt. Converse is now on duty as assistant to the department ordnance officer in Honolulu.

Capt. Forest E. Overholser, 1st infantry, who is now on duty with the 17th infantry, at El Paso, Tex., has been granted a leave of absence of one month to take effect on the date that he is relieved by Capt. John R. Thomas, who left Honolulu on the last transport. Capt. Overholser will arrive in Honolulu on the May transport.

First Lieut. John R. Hauser, 9th Field Artillery, has been relieved from assignment to that regiment and placed on the detached officers' list.

Among the new arrivals on the transport Sherida are Col. Lucius L. Durfee, 33d infantry, who has reported at Schofield for duty and has been assigned to the quarters recently occupied by Col. Atkinson. Mrs. Durfee and family are with the colonel. First

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## ARMY ORDERS

The following transfers of enlisted men are ordered: Private, 1st Class, Ruby S. Bagley, Medical Department, as a private to Coast Artillery Corps, 1st Company, Fort De Russy; Private John M. Concannon, Company D, 3d Engineers, to Company M, 2d Infantry, Fort Shafter; Private Charles E. Ackerson, Troop G, 4th Cavalry, to Coast Artillery Corps, 4th Company, Fort Kamehameha.

Paragraph 2, Special Orders No. 42, these headquarters, current series, is amended so as to substitute the name of Private John J. Smart, Supply Company, 1st Field Artillery, for that of Private William B. Healy.

The resignation of 1st Lieut. Robert von Tempky, 3d Regiment, Hawaiian Infantry, N. G., as an officer of the National Guard of the United States and of the Territory of Hawaii, is accepted.

The following named enlisted men will be honorably discharged to accept commission in the National Guard of the United States and of the Territory of Hawaii: Sergt. Worden W. Paris, 2d Hawaiian Infantry; Bat. Sergt. Maj. Harry Kauhane, 1st Hawaiian Infantry.

Subject to future examination, in conformity with Sec. 75, National Defense Act of June 2, 1916, the following appointments in the National Guard of the United States and of the Territory of Hawaii are announced for the information and guidance of all concerned: Harry Kauhane, to be 2d Lieut. of inf., with rank from March 10, assigned to 1st Regiment, Hawaiian Infantry, N. G.; Worden W. Paris, to be 2d Lieut. of inf., with rank from March 10.

On the recommendation of the Chief Quartermaster, the following promotions in the Quartermaster Corps are announced: Private Arthur R. Brown, to be Sergt., 1st Class; Private Jasper L. Pittenger, to be Sergt., 1st Class; Private George D. McIntyre, to be Sergt.

The following named enlisted men are granted furloughs: Sergt. Eben S. Cushingham, Company A, 1st Hawaiian Infantry, one month and 15 days from March 10; Private Howard L. Grace, M. G. Co., 1st Hawaiian Infantry, two months and 20 days.

## DAINTY STEAMER BASKETS SOLD AT LANIAKEA

Pretty baskets, filled with fresh and preserved fruits, candies and other toothsome delicacies which you yourself may select, are to be obtained at Laniakea, 1041 Alakea street.—Adv.

## WITH OUR VISITORS

Miss Edyth Gill will talk on "Obesity, Its Causes and Cure" at the Y. W. C. A. on Thursday at 12:45.

Among the many dinner parties at the Pleasanton hotel Monday night was the one of Mrs. Jehu and Mrs. Reinecke for Senator and Mrs. Charles F. Chillingworth and friends.

Mr. and Mrs. Harrison Teller left the Hawaiian hotel today for Maui to try their luck with the Hawaiian tuna. The Colorado couple are enthusiastic fishermen and have great hopes of landing something big here.

Mr. and Mrs. C. A. Brandenburg of San Francisco are recent arrivals here. They are at the Blaisdell hotel and came on the Great Northern with the expectation of staying longer than the one trip. Brandenburg is a well-known sporting goods dealer of Frisco.

Mrs. Seymour van Cleve is visiting her sister, Mrs. W. W. Hall, at their residence at 2447 Oahu avenue. Mrs. Hall, with Miss Charlotte Hall, have recently moved into their new home in Manoa. It is expected that Mrs. van Cleve, who is well known in the suffrage movement, will be a guest of the Halls for at least two months.

Fire destroyed the plant of the Standard Garment Company of Columbia, Pa., at a loss of \$100,000.

## DANCING CLASSES

Learn the latest New York dances from MADAME LESTER, Honolulu's leading teacher: Tuesday evening, Club; Friday evening, Punahou Club; Saturday morning, Children's Class. Fancy and stage dancing, private lessons by appointment. Phone 1162, L. O. O. F. Hall. Res. 3675, The Romagosa.



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## Schofield Gets the News

Today's latest telegraphic and local news is communicated to the 6000 soldiers and their families at Schofield Barracks through the large circulation of the Star-Bulletin at Uncle Sam's largest post.

The above shows the Schofield Branch Office of the Star-Bulletin, where subscriptions, advertising, printing may be ordered. Subscription rates, 75c per month, \$2 per quarter, \$8.00 per year. Advertising and printing rates upon application.

## Honolulu Star-Bulletin

Schofield Branch Office

Phone Bine 0452